

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

- 1 1. (currently amended) A method for allowing a porthole engine to deliver unrequested  
2 content to users that access requested content through the porthole engine, the method  
3 comprising the steps of:  
4 receiving, from a browser executing on a client, an initial request for requested  
5 content;  
6 wherein said initial request is received at said porthole engine;  
7 wherein said client is connected to a network through said porthole engine;  
8 wherein said requested content resides on an origin server located separate  
9 from said porthole engine on said network; and  
10 said porthole engine responding to said initial request by sending [[data]] to said client  
11 data generated by the porthole engine wherein the data [[that]] causes said  
12 requested content and said unrequested content to appear on a display screen  
13 of said client.
- 1 2. (currently amended) The method of Claim 1 wherein the portal engine causes web  
2 page content of said requested content [[is]] to be modified to encapsulate said  
3 requested content within a paneled frame.

1 3. (currently amended) The method of Claim 1 wherein the portal engine causes web  
2 page content of said requested content [[is]] to be modified to reserve space in the  
3 web page to display said unrequested content.

1 4. (original) The method of Claim 3 wherein the space reserved in the web page is  
2 selected from a group consisting of:  
3 the top of the web page;  
4 the bottom of the web page; and  
5 a combination of the top of the web page and the bottom of the web page.

1 5. (currently amended) The method of Claim 1 wherein the portal engine causes web  
2 page content of said requested content [[is]] to be modified to pop-up one or more  
3 display windows to display said unrequested content.

1 6. (original) The method of Claim 1 wherein the portal engine causes web page content  
2 of said requested content [[is]] to be modified to replace a portion of said requested  
3 content with the unrequested content.

1 7. (original) The method of Claim 1 wherein:  
2 said requested content appears on a first portion of a content display region of  
3 said browser; and  
4 said unrequested content appears on a second portion of said content display  
5 region of said browser.

1 8. (original) The method of Claim 1 wherein:

2 said requested content appears on a first display window of said client; and

3 said unrequested content appears on a second display window of said client.

1 9. (original) The method of Claim 1 wherein said porthole engine determines the format

2 in which to display said requested content and said unrequested content based on one

3 or more factors including at least one of differences in browsers, components of

4 requested web pages, and versions of the browsers.

1 10. (original) The method of Claim 1 wherein the step of sending data to said client

2 includes the step of:

3 sending frame data to said client;

4 wherein said frame data defines a plurality of frames;

5 wherein said plurality of frames includes a first frame and one or more other

6 frames;

7 wherein said frame data further specifies that said requested content is to be

8 displayed in said first frame, and that said unrequested content is to be

9 displayed in said one or more other frames.

1 11. (original) The method of Claim 10 further comprising the steps of:

2 the porthole engine receiving a series of subsequent requests from the browser

3 in response to the browser decoding said frame data, said series of

4 subsequent requests including a second request for said requested

5 content; and

6                   the porthole engine responding to said second request for said requested  
7                   content by requesting said requested content from said origin server  
8                   and delivering said requested content to said browser.

1    12.   (original) The method of Claim 11 wherein said porthole engine determines that said  
2           second request for said requested content is not an initial request for said requested  
3           content by using information contained in the URL associated with said initial request  
4           and with said second request.

1    13.   (original) The method of Claim 10 wherein:  
2           said porthole engine determines that said initial request is not a request for an  
3           embedded item by using information contained in the URL associated  
4           with said initial request and with said second request; and  
5           the step of sending frame data is performed in response to determining that  
6           said initial request is not a request for an embedded item.

1    14.   (original) The method of Claim 1 wherein the step of sending data to said client  
2           includes the step of rewriting a link in an embedded frame document to affect frame  
3           behavior.

1    15.   (original) The method of Claim 14 wherein the step of rewriting a link includes the  
2           step of changing a target attribute of the link.

1    16.   (original) The method of Claim 1 wherein:

2           said porthole engine determines that said initial request is not a request for an  
3           embedded item by using information contained in the URL associated  
4           with said initial request and with said second request; and  
5           said porthole engine sends data that causes said unrequested content to appear  
6           on a portion of said content display region of said browser in response  
7           to determining that said initial request is not a request for an embedded  
8           item.

1   17.   (original) The method of Claim 1 further comprising the step of using information  
2           about a particular user to tailor the unrequested content to that particular user.

1   18.   (original) The method of Claim 17 wherein the information about the particular user  
2           is selected from a group consisting of:  
3           information available to owners of the porthole engine;  
4           information about the requested content; and  
5           a combination of the information available to the owners of the porthole  
6           engine and the information about the requested content.

1   19.   (original) The method of Claim 1 further comprising the step of identifying the users  
2           to personalize the unrequested content.

1   20.   (original) The method of Claim 19 wherein the step of identifying the users is  
2           performed by a method selected in a group consisting of:  
3           attaching cookies to web pages that are browsed by a particular user;

4           observing the radius authentication transactions and the resulting network  
5           address assigned to the client;  
6           tracking network addresses assigned to the users; and  
7           authenticating the users.

1   21.   (original) The method of Claim 1 wherein the requested content includes a web page  
2           form, and the unrequested content includes information that automatically fills in one  
3           or more fields of said web page form.

1   22.   (original) The method of Claim 21 including the step of automatically filling in said  
2           one or more fields of said web page form upon determining that a web page being  
3           delivered through said porthole engine is associated with said web page form and is  
4           registered in the porthole engine as fillable.

1   23.   (original) The method of Claim 21 wherein the information that automatically fills in  
2           one or more fields of said web page form is provided by a database coupled to the  
3           porthole engine.

1   24.   (original) The method of Claim 1 wherein the porthole engine restricts access to  
2           particular web pages by using content filtering technology based on identities of the  
3           users.

1   25.   (currently amended) A computer-readable medium bearing instructions for allowing a  
2           porthole engine to deliver unrequested content to users that access requested content

3 through the porthole engine, the computer-readable medium comprising instructions  
4 for performing the steps of:

5 receiving, from a browser executing on a client, an initial request for requested  
6 content;

7 wherein said initial request is received at said porthole engine;

8 wherein said client is connected to a network through said porthole engine;

9 wherein said requested content resides on an origin server located separate  
10 from said porthole engine on said network;

11 said porthole engine responding to said initial request by sending [[data]] to

12 said client data generated by the porthole engine wherein the data

13 [[that]] causes said requested content and said unrequested content to

14 appear on a display screen of said client.

1 26. (currently amended) The computer-readable medium of Claim 25 wherein the  
2 porthole engine causes web page content of said requested content [[is]] to be  
3 modified to encapsulate said requested content within a paneled frame.

1 27. (currently amended) The computer-readable medium of Claim 25 wherein the  
2 porthole engine causes web page content of said requested content [[is]] to be  
3 modified to reserve space in the web page to display said unrequested content.

1 28. (original) The computer-readable medium of Claim 27 wherein the space reserved in  
2 the web page is selected from a group consisting of:  
3 the top of the web page;

4                   the bottom of the web page; and  
5                   a combination of the top of the web page and the bottom of the web page.

1    29.   (currently amended) The computer-readable medium of Claim 25 wherein the  
2           porthole engine causes web page content of said requested content [[is]] to be  
3           modified to pop-up one or more display windows to display said unrequested content.

1    30.   (currently amended) The computer-readable medium of Claim 25 wherein the  
2           porthole engine cause web page content of said requested content [[is]] to be modified  
3           to replace a portion of said requested content with the unrequested content.

1    31.   (original) The computer-readable medium of Claim 25 wherein:  
2                   said requested content appears on a first portion of a content display region of  
3                   said browser; and  
4                   said unrequested content appears on a second portion of said content display  
5                   region of said browser.

1    32.   (original) The computer-readable medium of Claim 25 wherein:  
2                   said requested content appears on a first display window of said client; and  
3                   said unrequested content appears on a second display window of said client.

1    33.   (original) The computer-readable medium of Claim 25 wherein said porthole engine  
2           determines the format in which to display said requested content and said unrequested



3 content based on one or more factors including at least one of differences in browsers,  
4 components of requested web pages, and versions of the browsers.

1 34. (original) The computer-readable medium of Claim 25 wherein the step of sending  
2 data to said client includes the step of:  
3 sending frame data to said client;  
4 wherein said frame data defines a plurality of frames;  
5 wherein said plurality of frames includes a first frame and one or more other  
6 frames;  
7 wherein said frame data further specifies that said requested content is to be  
8 displayed in said first frame, and that said unrequested content is to be  
9 displayed in said one or more other frames.

1 35. (original) The computer-readable medium of Claim 34 further comprising  
2 instructions for performing the steps of:  
3 the porthole engine receiving a series of subsequent requests from the browser  
4 in response to the browser decoding said frame data, said series of  
5 subsequent requests including a second request for said requested  
6 content; and  
7 the porthole engine responding to said second request for said requested  
8 content by requesting said requested content from said origin server  
9 and delivering said requested content to said browser.

1 36. (original) The computer-readable medium of Claim 35 wherein said porthole engine  
2 determines that said second request for said requested content is not an initial request  
3 for said requested content by using information contained in the URL associated with  
4 said initial request and with said second request.

1 37. (original) The computer-readable medium of Claim 34 wherein:  
2 said porthole engine determines that said initial request is not a request for an  
3 embedded item by using information contained in the URL associated  
4 with said initial request and with said second request; and  
5 the step of sending frame data is performed in response to determining that said  
6 initial request is not a request for an embedded item.

1 38. (original) The computer-readable medium of Claim 25 wherein the step of sending  
2 data to said client includes the step of rewriting a link in an embedded frame  
3 document to affect frame behavior.

1 39. (original) The computer-readable medium of Claim 38 wherein the step of rewriting a  
2 link includes the step of changing a target attribute of the link.

1 40. (original) The computer-readable medium of Claim 25 wherein:

2           said porthole engine determines that said initial request is not a request for an  
3           embedded item by using information contained in the URL associated  
4           with said initial request and with said second request; and  
5           said porthole engine sends data that causes said unrequested content to appear  
6           on a portion of said content display region of said browser in response  
7           to determining that said initial request is not a request for an embedded  
8           item.

1   41.   (original) The computer-readable medium of Claim 25 further comprising  
2           instructions for performing the step of using information about a particular user to  
3           tailor the unrequested content to that particular user.

1   42.   (original) The computer-readable medium of Claim 41 wherein the information about  
2           the particular user is selected from a group consisting of:  
3           information available to owners of the porthole engine;  
4           information about the requested content; and  
5           a combination of the information available to the owners of the porthole  
6           engine and the information about the requested content.

1   43.   (original) The computer-readable medium of Claim 25 further comprising  
2           instructions for performing the step of identifying the users to personalize the  
3           unrequested content.

1 44. (original) The computer-readable medium of Claim 43 wherein the step of identifying  
2 the users is performed by a method selected in a group consisting of:

3 attaching cookies to web pages that are browsed by a particular user;

4 observing the radius authentication transactions and the resulting network

5 address assigned to the client;

6 tracking network addresses assigned to the users; and

7 authenticating the users.

1 45. (original) The computer-readable medium of Claim 25 wherein the requested content  
2 includes a web page form, and the unrequested content includes information that  
3 automatically fills in one or more fields of said web page form.

1 46. (original) The computer-readable medium of Claim 45 including instructions for  
2 performing the step of automatically filling in said one or more fields of said web  
3 page form upon determining that a web page being delivered through said porthole  
4 engine is associated with said web page form and is registered in the porthole engine  
5 as fillable.

1 47. (original) The computer-readable medium of Claim 45 wherein the information that  
2 automatically fills in one or more fields of said web page form is provided by a  
3 database coupled to the porthole engine.

1 48. (original) The computer-readable medium of Claim 25 wherein the porthole engine  
2 restricts access to particular web pages by using content filtering technology based on  
3 identities of the users.

1 49. (currently amended) A computer system comprising:  
2 a client;  
3 at least one origin server; and  
4 a porthole engine;  
5 wherein said porthole engine is operatively coupled between the client and the  
6 at least one origin server through a network;  
7 wherein said porthole engine is configured to deliver unrequested content to  
8 users of said client that access requested content that resides at said at  
9 least one origin server through said porthole engine; and  
10 wherein upon a user using said client to initiate an initial request for said  
11 requested content through said porthole engine:  
12 said client is configured to receive, from a browser executing  
13 on said client, said initial request; and  
14 said porthole engine is configured  
15 to receive said initial request from said browser, and  
16 to respond to said initial request by sending [[data]] to  
17 said client data generated by the porthole engine  
18 wherein the data [[that]] causes said requested  
19 content and said unrequested content to appear  
20 on a display screen of said client.

1 50. (currently amended) The system of Claim 49 wherein the porthole engine causes web  
2 page content of said requested content [[is]] to be modified to encapsulate said  
3 requested content within a paneled frame.

1 51. (currently amended) The system of Claim 49 wherein the porthole engine causes web  
2 page content of said requested content [[is]] to be modified to reserve space in the  
3 web page to display said unrequested content.

1 52. (original) The system of Claim 51 wherein the space reserved in the web page is  
2 selected from a group consisting of:  
3 the top of the web page;  
4 the bottom of the web page; and  
5 a combination of the top of the web page and the bottom of the web page.

1 53. (currently amended) The system of Claim 49 wherein the porthole engine causes web  
2 page content of said requested content [[is]] to be modified to pop-up one or more  
3 display windows to display said unrequested content.

1 54. (currently amended) The system of Claim 49 wherein the porthole engine causes web  
2 page content of said requested content [[is]] to be modified to replace a portion of said  
3 requested content with said unrequested content.

1 55. (original) The system of Claim 49 wherein:

2           said requested content appears on a first portion of a content display region of  
3           said browser; and  
4           said unrequested content appears on a second portion of said content display  
5           region of said browser.

1   56.   (original) The system of Claim 49 wherein:

2           said requested content appears on a first display window of said client; and  
3           said unrequested content appears on a second display window of said client.

1   57.   (original) The system of Claim 49 wherein said porthole engine is further configured  
2           to determine the format in which to display said requested content and said  
3           unrequested content based on one or more factors including at least one of differences  
4           in browsers, components of requested web pages, and versions of the browsers.

1   58.   (original) The system of Claim 49 wherein said porthole engine is further configured  
2           to send data to said client by:

3           sending frame data to said client;  
4           wherein said frame data defines a plurality of frames;  
5           wherein said plurality of frames includes a first frame and one or more other  
6           frames;  
7           wherein said frame data further specifies that said requested content is to be  
8           displayed in said first frame, and that said unrequested content is to be  
9           displayed in said one or more other frames.

1 59. (original) The system of Claim 58 wherein the porthole engine is further configured:  
2 to receive a series of subsequent requests from the browser in response to the  
3 browser decoding said frame data, said series of subsequent requests  
4 including a second request for said requested content; and  
5 to respond to said second request for said requested content by requesting said  
6 requested content from said at least one origin server and delivering  
7 said requested content to said browser.

1 60. (original) The system of Claim 59 wherein said porthole engine is further configured  
2 to determine that said second request for said requested content is not an initial  
3 request for said requested content by using information contained in the URL  
4 associated with said initial request and with said second request.

1 61. (original) The system of Claim 58 wherein:  
2 said porthole engine is further configured to determine that said initial request  
3 is not a request for an embedded item by using information contained  
4 in the URL associated with said initial request and with said second  
5 request; and  
6 said porthole engine sending frame data is performed in response to  
7 determining that said initial request is not a request for an embedded  
8 item.

1 62. (original) The system of Claim 49 wherein said porthole engine is further configured:



2           to determine that said initial request is not a request for an embedded item by  
3           using information contained in the URL associated with said initial  
4           request and with said second request; and  
5           to send data that causes said unrequested content to appear on a portion of said  
6           content display region of said browser in response to determining that  
7           said initial request is not a request for an embedded item.

1   63.   (original) The system of Claim 49 wherein said porthole engine is further configured  
2           to send data to said client to rewrite a link in an embedded frame document to affect  
3           frame behavior.

1   64.   (original) The system of Claim 63 wherein rewriting a link includes changing a target  
2           attribute of the link.

1   65.   (original) The system of Claim 49 wherein said porthole engine is further configured  
2           to use information about a particular user to tailor the unrequested content to that  
3           particular user.

1   66.   (original) The system of Claim 65 wherein the information about the particular user is  
2           selected from a group consisting of:  
3           information available to owners of the porthole engine;  
4           information about the requested content; and  
5           a combination of the information available to the owners of the porthole  
6           engine and the information about the requested content.

1 67. (original) The system of Claim 49 wherein said porthole engine is further configured  
2 to identify the users to personalize the unrequested content.

1 68. (original) The system of Claim 67 wherein said porthole engine to configured to  
2 identify the users by a method selected from a group consisting of:

3 attaching cookies to web pages that are browsed by a particular user;  
4 observing the radius authentication transactions and the resulting network  
5 address assigned to the client;  
6 tracking network addresses assigned to the users; and  
7 authenticating the users.

1 69. (original) The system of Claim 49 wherein the requested content includes a web page  
2 form, and the unrequested content includes information that automatically fills one or  
3 more fields of said web page form.

1 70. (original) The system of Claim 69 wherein the porthole engine is further configured  
2 to automatically fill in said one or more fields of said web page form upon  
3 determining that a web page being delivered through the porthole engine is associated  
4 with said web page form and is registered in the porthole engine as fillable.

1 71. (original) The system of Claim 69 wherein the information that automatically fills in  
2 one or more fields of said web page is provided by a database coupled to the porthole  
3 engine.

1     72.     (original) The system of Claim 49 wherein the porthole engine to further configured to  
2           restrict access to particular web pages by using content filtering technology based on  
3           identities of the users.